

Patent Application of Nikolai A. Beloreshki and Temenuzhka B. Beloreshka  
Double Joints Pavement System  
Page 11

CLAIMS

We claim:

1. (Currently Amended) A reinforcing beam for use between adjacent concrete or asphalt slabs, said reinforcing beam comprised of a rigid material, said beam having a vertical cross-section comprising:

an isosceles trapezoid having a bottom base with a bottom base length and a top base opposite said bottom base with a top base length, said bottom base length being greater than said top base length, and

a rectangle above said isosceles trapezoid and joined to said top base along a rectangle base with a rectangle base length, said rectangle base length being not greater than said top base length.

2. (Currently Amended) A reinforcing beam for use between adjacent concrete or asphalt slabs, said reinforcing beam comprised of a rigid material, said beam comprising a vertical panel and a horizontal panel.

3. (Currently Amended) A method of using a pavement joint system for use in concrete and asphalt pavement comprising, a plurality of joint filler implements comprised of a rigid material, said plurality of joint filler implements being arranged in parallel rows, wherein parallel strips of pavement material may be filled into spaces between said plurality of joint filler implements.

4. (Added) The reinforcing beam as described in Claim 1 in which said rigid material comprises concrete.

Patent Application of Nikolai A. Beloreshki and Temenuzhka B. Beloreshka  
Double Joints Pavement System  
Page 12

5. (Added) The reinforcing beam as described in Claim 1 in which said isosceles trapezoid further comprises a first slanted side connecting said top base to said bottom base, and

said first slanted side comprises a first water stop.

6. (Added) The reinforcing beam as described in Claim 5 in which said isosceles trapezoid further comprises a second slanted side opposite said first slanted side and connecting said top base to said bottom base, and

said second slanted side comprises a second water stop.

7. (Added) The reinforcing beam as described in Claim 6 in which each said water stop comprises a horizontal groove.

8. (Added) The reinforcing beam as described in Claim 2 in which said rigid material comprises concrete.

9. (Added) The reinforcing beam as described in Claim 2 in which said vertical panel further comprises a first side comprising a first water stop.

10. (Added) The reinforcing beam as described in Claim 9 in which said vertical panel further comprises a second side opposite said first side, and said second side comprises a second water stop.

11. (Added) The reinforcing beam as described in Claim 10 in which each said water stop comprises a horizontal groove.

12. (Added) The method as described in Claim 3 in which said rigid material comprises concrete.

Patent Application of Nikolai A. Beloreshki and Temenuzhka B. Beloreshka  
Double Joints Pavement System  
Page 13

13. (Added) The method as described in Claim 3, in which the joint filler implement comprises a reinforcing beam having a vertical cross-section comprising:

an isosceles trapezoid having a bottom base with a bottom base length and a top base opposite said bottom base with a top base length, said bottom base length being greater than said top base length, and

a rectangle above said isosceles trapezoid and joined to said top base along a rectangle base with a rectangle base length, said rectangle base length being not greater than said top base length.

14. (Added) The method as described in Claim 3, in which the joint filler implement comprises a reinforcing beam comprising a vertical panel and a horizontal panel.